

KTSPMS

Hutatma Rajguru Mahavidyalaya, Rajgurunagar

Tal – Khed, Dist – Pune Pin.- 410505

Department of Geography

Syllabus Completion Report NEP 2020 (2024 Pattern)

Academic year - 2024-2025

Class – FYBA

Semester – I

Subject Code – GEO-101-T

Div- A

Credits - 02

Subject – Theory (Main Subject)

Name of Subject – Introduction to Physical Geography NEP 2020 (2024 Pattern)

Name of Subject Teacher - Prof. Muluk M. L.

Month	Teaching Hours	Actual Hours	Topic	Sub Topics
July 2024	08	10	Introduction to Physical Geography	i. Introduction, definition and branches of Geography ii. Definition and Branches of Physical Geography iii. Nature, Scope and importance of Physical Geography
August 2024	06	08	Lithosphere	i. Interior of the Earth - Structure and Composition ii. Wegener's Continental Drift Theory
Sept. 2024	08	10	Atmosphere	i. Concept of weather and climate. ii. Composition and structure of the atmosphere iii. Factors affecting horizontal distribution of the temperature
Oct. 2024	06	08	Hydrosphere	i. General structure of ocean floor ii. Movements of ocean water a. Tides- meaning, causes and types

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Department of Geography

Syllabus Completion Report NEP 2020 (2024 Pattern)

Academic year - 2024-2025

Class – FYBA

Semester – I

Subject Code – GEO-102-P

Div- A (8 Batches)

Credits - 02

Subject – Practical (Main Subject)

Name of Subject – Practicals in Geography NEP 2020 (2024 Pattern)

Name of Subject Teacher - Prof. Dr. Muluk D. D.

Month	Teaching Hours	Actual Hours	Topic	Sub Topics
July 2024	20	21	Qualitative Methods of Relief Representation	Methods of Relief Representation Qualitative Methods a. Hachures b. Hill shading c. Color shading or tinting
August/Sept 2024	20	21	Quantitative Methods of Relief Representation	Methods of Relief Representation Quantitative Methods a. Spot Height b. Bench Mark c. Triangulation Method d. Contours e. Form lines
Sept/Oct. 2024	20	21	Representation of slope and landforms by contours	Representation of slope by contours a. Gentle and steep slope b. Even and uneven slope c. Concave and convex slope Representation of landforms by contours a. Conical hill b. Cliff c. V shaped valley d. Ridge e. Plateau f. Pass

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Department of Geography

Syllabus Completion Report NEP 2020 (2024 Pattern)

Academic year - 2024-2025

Class – FYBA

Semester – I

Subject Code – OE-101-GEO

Div- FYBSC A Group Credits - 02

Subject – Theory(Open Elective)

Name of Subject – Geography of Tourism NEP 2020 (2024 Pattern)

Name of Subject Teacher - Prof. Muluk M. L.

Month	Teaching Hours	Actual Hours	Topic	Sub Topics
July 2024	10	10	Introduction to Tourism Geography	i. Definition, Nature and Scope of Tourism Geography ii. Concept of Tourist and Tourism iii. Importance of Tourism in Geography
August/Sept 2024	10	11	Determinants of Tourism Development	i. Physical a. Relief b. Climate c. Forest d. Water ii. Socio-Cultural a. Religious b. Historical c. Cultural iii. Political a. Policies iv. Other a. Accessibility b. Safety of Tourists
Sept/Oct. 2024	10	11	Classification and recent types of Tourism	i. Classification of Tourism based on a. Nationality b. Travel Period c. Purpose of Tourism ii. Recent types of Tourism a. Agro Tourism b. Ecotourism c. Wildlife Tourism d. Health Tourism e. Sports Tourism

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Department of Geography

Syllabus Completion Report

2019 Pattern (SYBA & TYBA)

Academic year - 2024-2025

Semester – III

Div – A and B

Name of Subject: Gg: 210(A) CC 1C - Environment Geography- I, (G2)

Teacher - Prof. Dr. D. M. Markad

Class – SYBA

Subject Code - 23202

Subject – Theory

Month	Teaching Hours	Actual Hours	Topic	Sub Topics
August Sep. 2024	12	13	Introduction to Environmental Geography	1. Definition, Nature and scope of Environmental Geography.
				2. Types of Environment
				3. Importance of Environmental Geography
				4. Approaches to study of environmental Geography
Sept.2024	12	13	Ecosystem	1. Meaning, concept and definition of ecosystem.
				2. Structure (Biotic and Abiotic factors) and food chain, Tropic Level, food web, energy flow
				3. Types of ecosystem a) Equatorial Forest and b) Pond Ecosystem
Sept./Oct. 2024	12	12	Biodiversity and its conservation	1. Concept of biodiversity
				2. Economic value and potential of biodiversity
				3. Loss of biodiversity and hotspots in India
				4. Conservation of biodiversity
Oct. 2024	12	14	Environmental Pollution	1. Concept of Pollution
				2. Air pollution-Causes, effects and control measures
				3. Water pollution-Causes, effects and control measures
				4. Soil pollution-Causes, effects and control measures

Syllabus Completion Report

2019 Pattern (SYBA & TYBA)

Academic year - 2024-2025

Class – SYBA

Semester – III

Subject Code - 23203

Div – A

Subject – Theory

Name of Subject – Gg: 220(A) DSE 1A - Population Geography – (S1)

Name of Subject Teacher - Prof. Dr. Dilip Muluk

Month	Teaching Hours	Actual Hours	Topic	Sub Topics
August Sep. 2024	12	12	Introduction	1. Definition, Nature and Scope,
				2. Contextual significance of Population Geography,
				3. Relation between Population Geography and other social Sciences.
Sept.2024	12	13	Population Data& Presentation	1. Census of India
				2. National Sample Survey, Sample Registration Survey, NFHS, DLHS,
				3. Presentation of Population Data – Maps, Graphical Presentation, Computer Application
Sept./Oct. 2024	12	14	Population Growth and Demographic Attributes	1. Factors affecting Growth of Population
				2. Fertility, Mortality - (Concept, Measurement)
				3. Migration - Concept, Causes, Types
Oct. 2024	12	13	Composition of Population	1.Age-Sex pyramid, Age Structure
				2.Occupational Structure, Dependency Ratio
				3. Longevity, Life Expectancy. (with Reference to India)

Syllabus Completion Report

2019 Pattern (SYBA & TYBA)

Academic year - 2024-2025

Class – SYBA

Semester – III

Subject Code - 23204

Batch – A, B, C

Subject – Practical

Name of Subject – Gg: 201(A) DSE 2A - Scale and Map Projection (S2)

Name of Subject Teacher - Prof. Dr. D. M. Markad and Prof. M. L. Muluk

Month	Number of Practical's	Actual Practical's	Topic	Sub Topics
August Sep. 2024	15	16	Introduction of Maps	1. Definition of Map
				2. Elements of Map
				3. Classification of Map:
				a. On the basis of scale: i) Small scale ii) Large Scale
				b. On the basis of function: i) Physical ii) Cultural
				4. Use of map
Sept.2024	15	17	Map Scale	1. Definition of Map Scale.
				2. Types of Map Scale a. Verbal Scale b. Numerical Scale c. Graphical Scale
				3. Conversion Scale (British and Metric System) a. Verbal scale to Representative fraction b. Representative fraction into Verbal scale
				4. Construction of Simple Graphical scale (At least two examples from each)
Sept./Oct. 2024	15	16	Basic of map projection	1. Definition and types of map projection
				2. Basic Concepts of Projection: Latitude, Longitude, Parallel of latitude, Meridian of longitude, Prime meridian, Equator, Direction
				3. Calculation of time basis on meridian and GMT (Calculation of minimum two examples)
Oct. 2024	15	17	Construction, properties and use of map projections	1. Zenithal Projection a. Zenithal Polar Gnomonic Projection
				2. Conical Projection a. Conical projection with one standard parallel/Simple conical projection
				3. Cylindrical Projection a. Cylindrical equal area projection
				4. Mercator projection (At least two examples from each projection)

Syllabus Completion Report

2019 Pattern (SYBA & TYBA)

Academic year - 2024-2025

Class – SYBA

Semester – III

Subject Code – SEC 2A

Div – A

Subject – Theory

Name of Subject – Applied Course Of Disaster Management SEC-1

Name of Subject Teacher - Prof. Dr. D. D. Muluk

Month	Teaching Hours	Actual Hours	Topic	Sub Topics
July/August 2024	6	7	Fundamental Concepts, Measurement / Parameter and Types of Disasters	a) Disaster, Hazard, Risk, Vulnerability, Resilient
				b) Magnitude, Intensity, Frequency, Duration, Spatial dispersion
Sept.2024	8	9	Phases of Disaster Management Role of Geographers and organizations	a) Concept: Mitigation, Preparedness, Response, Recovery, Rehabilitation.
				b) Role of Geographers
Sept./Oct. 2024	8	8	Comparative Assessment of Disaster Management- I	a) Earthquake: - India and Japan
				b) Flood:- India and Netherland
Oct. 2024	8	8	Assessment of Disaster Management- II	Assignment based on Primary or secondary data on any one Geographical scale-local/ regional/national/ global

Syllabus Completion Report

2019 Pattern (SYBA & TYBA)

Academic year - 2024-2025

Semester – V

Div. – A and B

Name of Subject – Gg: 310(A) CC 1E Geography of Tourism- I (G3)

Name of Subject Teacher - Prof. M. L. Muluk

Class – TYBA

Subject Code - 35205

Subject – Theory

Month	Teaching Hours	Actual Hours	Topic	Sub Topics
July/August 2024	12	12	Introduction	a) Definition and Nature i. Definition of Tourists and Tourism ii. Nature of Tourism iii. Importance of Tourism b) Scope and Extent i. Tourism and Travel as basic needs of mankind. ii. Tourism and Development. iii. Tourism as product c) Role of Geography in Tourism
Sept. 2024	12	13	Determinants of Tourism Development	a) Physical i. Relief, ii. Climate, iii. Forest b) Socio-Cultural i. Religious, ii. Historical iii. Sports, c) Political --i) Policies ii) Safety of Tourists iii) Accessibility
Sept./ Oct 2024	12	13	Concept and Classification of Tourism	a) Classification of tourism based on i. Nationality, ii. Travel Time iii. Purpose b) Concept of Tourism - I i. Agro-Tourism, ii. Eco- Tourism iii. Wildlife Tourism c) Concept of Tourism - II i. Health/medical Tourism ii Sports Tourism
Oct. 2024	12	14	Basic Infrastructure in Tourism	a) Mode of Transportation i) Road ii) Rail iii) Water iv) Air b) Communication i. Role of Guide in tourism development ii. Internet/Telephone/Mobile/TV iii. Electronic and Printing Media c) Travel and Tourism Agencies

Syllabus Completion Report

2019 Pattern (SYBA & TYBA)

Academic year - 2024-2025

Class – TYBA

Semester – V

Subject Code - 35201

Div. – A

Subject – Theory

Name of Subject – Gg: 320(A) DSE 1C Geography of India –I (S3)

Name of Subject Teacher - Prof. Dr. D. M. Markad

Month	Teaching Hours	Actual Hours	Topic	Sub Topics
July/ August . 2024	12	12	Introduction	a) Location and Extent
				b) Historical Background
				c) International boundaries of India and related issues
				d) States and Union territories
August/ Sept. 2024	12	13	Physiography	a) The Northern Mountains
				b) The North Indian Plains
				c) The Peninsular Plateau
				d) The Costal lowlands and Islands
Sept./ Oct 2024	12	13	Drainage	a) Himalayan Rivers: The Indus , The Ganga, The Brahmaputra
				b) East Flowing Rivers- Mahanadi, Godavari, Krishna,Kaveri
				c) Major West Flowing Rivers- Narmada, Tapi, Mahi
				d) Minor West Flowing Rivers originating in Western Ghat
Oct. 2024	12	13	Climate Soils and Natural Vegetation	a) Various Seasons and Weather Associated with them
				b) Types of Soils and its Distribution
				c) Soil Degradation and Conservation
				d) Types of Natural Vegetation and its Distribution

Syllabus Completion Report

2019 Pattern (SYBA & TYBA)

Academic year - 2024-2025

Class – TYBA

Semester – V

Subject Code – 35203

Batch – A and B

Subject – Practical

Name of Subject – Gg: 301(A) DSE 2C Practical Geography – I (Techniques of Spatial Analysis) (S4)

Name of Subject Teacher - Prof. Dr. Dilip Muluk And Prof. M. L. Muluk

Month	Number of Practicals	Actual Practicals	Topic	Sub Topics
July/ August 2024	15	16	Introduction of S.O.I. Toposheet & Relief Representation	a. Introduction of Survey of India Toposheets: Marginal Information, Conventional signs and symbols and Colours in S.O.I. Toposheets. b. Types of toposheets / Indexing of toposheets c. Methods of Relief Representation i) Qualitative: Hachures, Hill shading, Layer Tint. ii) Quantitative: Contours, Form lines, Bench Marks, Spot Heights, Triangulation Mark, Relative Height
Sept.2024	15	16	Interpretation of S.O.I. Toposheets and Data generation	a. Reading of SOI toposheets from plain, plateau, Mountainous region b. One day field Excursion for orientation of toposheets, observation and Identification of Geographical Features and Preparation of a Brief Report
Sept./Oct. 2024	15	16	Introduction & Interpretation Weather Maps	a. Introduction to Weather Maps b. Symbols in Daily Weather Report used by (IMD) c. Isobaric Pattern d. Reading of Weather Map from i) Summer ii) Monsoon iii) Winter Season
Oct. 2024	15	16	Introduction & Application of GIS & Remote Sensing Techniques	a. Definition and Components of GIS b. GIS Data Types (spatial and non-spatial), Raster and Vector data c. Introduction of Aerial Photographs & Satellite Images d. Use of Computer open source Software for GIS & RS techniques in Geography

Syllabus Completion Report

2019 Pattern (SYBA & TYBA)

Academic year - 2024-2025

Class – TYBA

Semester – V

Subject Code – SEC 2C

Batch – A and B

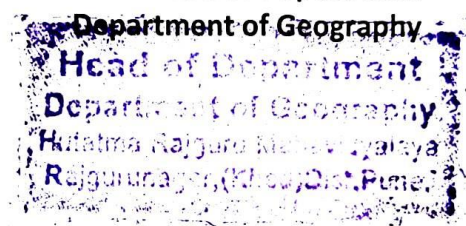
Subject – Theory

Name of Subject – SEC 2C Research Methodology – I

Name of Subject Teacher - Prof. Dr. Dilip Muluk And Prof. M. L. Muluk

Month	Teaching Hours	Actual Hours	Topic	Sub Topics
July/ August 2024	10	10	Introduction to Research Methodology	i. Meaning and objectives of research ii. Characteristics of Research iii. Types of Research iv. Various steps in Research Process
August/ Sept. 2024	10	10	Research Design	i. Introduction of Research Design ii. Purpose of Research Design iii. Characteristics of Good Research Design
Sept/Oct. 2024	10	10	Research Problem	i. Definitions of the Research Problem ii. Identification of a Research Problem iii. Technique involved in defining a problem

Head of Department



K. T. S. P. Mandal's
Hutatma Rajguru Mahavidyalaya Rajgurunagar
Department of Geography
Syllabus Completion Report & Activity Report
First Sem. Academic Year 2024 - 2025

Syllabus Completion Report

Sr. No.	Class	Course Title	Name of Teacher	Lecture Assigned	Actual Lecture	Completion
1	FYBA	Physical Geography	Prof. M. L. Muluk	30	36	100
2	FYBA	Practicals in Physical Geography	Prof. Dr. D. D. Muluk	60	63	100
3	SYBA	Environmental Geography - I	Dr. D. Markad	45	54	100
4	SYBA	Population Geography - I	Prof. Dr. D. D. Muluk	45	52	100
5	SYBA	Practical Geography - I	Dr. D. Markad & Prof. M. L. Muluk	60	65	100
6	SYBA	Applied Disaster Management	Prof. Dr. D. D. Muluk	30	32	100
7	TYBA	Geography of Tourism- I	Prof. M. L. Muluk	45	52	100
8	TYBA	Geography of India –I	Dr. D. Markad	45	51	100
9	TYBA	Practical Geography – I (Techniques of Spatial Analysis)	Prof. Dr. D. D. Muluk Prof. M. L. Muluk	60	64	100
10	TYBA	Research Methodology – I	Dr. D. Markad	30	30	100
11	FYBSC	Tourism Geography	Prof. M. L. Muluk	30	32	100

Activity Report

Total **10 Departmental Activity** completed in First SEM.
i.e. Field Visit at Bhorgiri to Bhimashankar, Save Water,

K. T. S. P. Mandal's

Hutatma Rajguru Mahavidyalaya Rajgurunagar

Department of Geography

Conducted Unit Test Record Unit Test Record

First Sem. Academic Year 2024 – 2025

Unit tests, Seminar and Group Discussions are conducted at classroom in Students Notebook.

Sr. No.	Class	Course Title	Name of Teacher	Mid Sem	Unit Test & Online	GD & Seminar Practice Paper
1	FYBA	Physical Geography	Prof. M. L. Muluk	01	02	02
2	FYBA	Practical's in Physical Geography	Prof. Dr. D. D. Muluk	--	02	--
3	SYBA	Environmental Geography - I	Dr. D. Markad	01	02	02
4	SYBA	Population Geography - I	Prof. Dr. D. D. Muluk	01	05	
5	SYBA	Practical Geography - I	Dr. D. Markad & Prof. M. L. Muluk	--	--	01
6	SYBA	Applied Disaster Management	Prof. Dr. D. D. Muluk	01	03	
7	TYBA	Geography of Tourism- I	Prof. M. L. Muluk	01	02	02
8	TYBA	Geography of India –I	Dr. D. Markad	01	02	02
9	TYBA	Practical Geography – I (Techniques of Spatial Analysis)	Prof. Dr. D. D. Muluk Prof. M. L. Muluk	--	--	01
10	TYBA	Research Methodology – I	Dr. D. Markad	01	01	01
11	FYBSC	Tourism Geography	Prof. M. L. Muluk	01	01	01

Head of Department

